Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/06/2018 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124543	-1	1.21	124440	1.16
Blue	F	SSC	125000	122132	-3	2.60	122482	2.33
Blue	E	FITC	23615	22728	-4	2.45	1010	10.96
Blue	D	PE	26739	26373	-2	1.96	948	10.41
Blue	B	PerCP-Cy5-5	48339	47326	-3	3.37	1358	18.24
Blue	A	PE-Cy7	45021	44723	-1	5.18	688	38.31
Red	C	APC	53064	51596	-3	2.72	2970	9.36
Red	A	APC-Cy7	57175	56408	-2	2.72	1171	11.56
Violet	B	V450	14728	14048	-5	4.69	671	9.55
Violet	A	V500	58621	56762	-4	4.61	2504	6.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19805	2.38	617	3	N/A	N/A	Pass
Blue	F	SSC	60498	1.48	563	17	N/A	N/A	Pass
Blue	E	FITC	115	41.86	553	5	0.0182	223	Pass
Blue	D	PE	207	30.04	544	8	0.1358	204	Pass
Blue	B	PerCP-Cy5-5	211	48.47	644	9	0.0085	84	Pass
Blue	A	PE-Cy7	72	134.27	703	10	0.0102	19	Pass
Red	C	APC	337	28.83	600	3	0.0210	138	Pass
Red	A	APC-Cy7	128	41.78	585	5	0.0051	1602	Pass
Violet	B	V450	82	45.89	464	-6	0.0480	2635	Pass
Violet	A	V500	185	24.32	491	-6	0.0155	1056	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.55	-30.96	0.98
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.36
Red	16.99	14.40 - 21.60	N/A	N/A	30.70	31.20	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13914

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments